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› Eonon V0056 OBD II Diagnostic Scan Tool User Manual

Eonon V0056

Eonon V0056 OBD II Diagnostic Scan Tool User Manual

Model: V0056 | Brand: Eonon

1. INTRODUCTION

The Eonon V0056 OBD II Diagnostic Scan Tool is designed to provide comprehensive vehicle diagnostic capabilities. It connects wirelessly via Bluetooth to compatible Eonon Android head units, allowing users to read and clear diagnostic trouble codes (DTCs) and monitor various real-time vehicle parameters. This manual provides detailed instructions for setting up, operating, and maintaining your V0056 scan tool.



Image 1.1: The Eonon V0056 OBD II Diagnostic Scan Tool. This compact device plugs into your vehicle's OBD-II port to communicate with your car's computer system.

2. KEY FEATURES

- **Bluetooth Connectivity:** Enables wireless communication with compatible Android head units.
- **Extensive Code Reading:** Reads generic and manufacturer-specific diagnostic trouble codes (DTCs) and displays their definitions (over 3000 codes in the database).
- **Code Clearing:** Allows clearing of trouble codes and turning off the engine fault indicator light.

- **Real-time Data Display:** Monitors various live sensor data, including:
 - Engine RPM
 - Calculated Load Value
 - Coolant Temperature
 - Fuel System Status
 - Vehicle Speed (MPH)
 - Short Term Fuel Trim
 - Long Term Fuel Trim
 - Intake Manifold Pressure
 - Timing Advance
 - Intake Air Temperature
 - Air Flow Rate
 - Throttle Opening Position
 - Oxygen Sensor Voltages / Associated Short Term Fuel Trim
 - Fuel Pressure
- **Wide Compatibility:** Applicable with Eonon GPS car head units running Android 4.4 to 11, including models such as GA9451, GA9453, GA9463B, R03, R04, R50, R51, R53, R63, R65, R98, Q03Pro, Q04Pro, Q50Pro, Q51Pro, Q53Pro, Q63Pro, Q65Pro, Q98Pro.
- **Multi-Protocol Support:** Supports various OBD-II protocols including ISO15765-4 (CAN), ISO14230-4 (KWP2000), ISO9141-2, J1850VPW, and J1850PWM.

Bluetooth ELM327 OBD-II Diagnostic Scan Tool

Quick connection, no password required



Image 2.1: The V0056 tool features Bluetooth connectivity for quick and password-free connection to compatible devices.

Support Multi-protocol

ISO15765-4 (CAN)

ISO14230-4 (KWP2000)

ISO9141-2

J1850VPW

J1850PWM



Image 2.2: The V0056 supports a range of OBD-II communication protocols, ensuring broad vehicle compatibility.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x Eonon V0056 OBD-II Diagnostic Tool
- 1 x Software CD (includes application and instructions)

4. SETUP GUIDE

4.1. Software Installation

1. Before using the V0056 tool, you must install the Torque application on your compatible Eonon Android head unit.
2. Insert the included Software CD into your computer or a compatible drive connected to your head unit.
3. Locate the Torque app installation file (usually an .apk file) on the CD.
4. Transfer the .apk file to your Android head unit (e.g., via USB, SD card, or direct installation if supported).
5. On your Android head unit, navigate to the transferred file and install the Torque application. Ensure 'Unknown Sources' installation is enabled in your Android settings if prompted.

4.2. Hardware Connection

1. Locate your vehicle's OBD-II port. This port is typically found under the dashboard on the driver's side, though its exact location may vary by vehicle model. Consult your vehicle's owner's manual if you cannot find it.
2. With the vehicle's ignition off, firmly plug the Eonon V0056 OBD-II Diagnostic Tool into the OBD-II port. Ensure it is securely seated.
3. Turn your vehicle's ignition to the 'ON' position (do not start the engine unless instructed by the diagnostic app). The LED indicator on the V0056 tool should illuminate, indicating power.

Features

Output Interface: Bluetooth

Color: Blue

LED Indicator

Operating Voltage: 12V

Operating Current: 45mA



Image 4.1: Illustration of connecting the V0056 OBD-II tool to the vehicle's diagnostic port.

4.3. Bluetooth Pairing

1. On your Eonon Android head unit, go to the Bluetooth settings.
2. Ensure Bluetooth is enabled and search for available devices.
3. Select the V0056 device (it may appear as 'OBDII' or a similar name) from the list of found devices to pair. No password is typically required.
4. Once paired, open the Torque application you installed.
5. Within the Torque app settings, ensure that the correct Bluetooth device (V0056) is selected as the OBD-II adapter.

Applicable to Eonon head unit with Android system

Note: Please install Torque app on the Android head unit before using it.



Image 4.2: The V0056 tool is designed for seamless integration with Eonon Android head units, utilizing the Torque app for diagnostics.

5. OPERATING INSTRUCTIONS

Once the V0056 tool is connected and paired with your Eonon Android head unit, you can use the Torque application to perform various diagnostic functions.

5.1. Reading Diagnostic Trouble Codes (DTCs)

1. Open the Torque app on your head unit.
2. Navigate to the 'Fault Codes' or 'DTCs' section within the app.
3. The app will scan your vehicle's Engine Control Unit (ECU) for any stored trouble codes.
4. Any detected codes will be displayed along with their definitions, helping you understand the nature of the issue.

5.2. Clearing Trouble Codes

After addressing the underlying issue that caused a fault code, you can clear the code from the vehicle's ECU:

1. In the 'Fault Codes' section of the Torque app, look for an option to 'Clear Fault Codes' or 'Reset ECU'.
2. Confirm the action when prompted. This will turn off the Check Engine Light (MIL) on your dashboard.
3. *Note: Clearing codes without fixing the underlying problem will likely result in the code reappearing.*

5.3. Monitoring Real-time Data

The Torque app allows you to view live sensor data from your vehicle:

1. From the main screen of the Torque app, select 'Realtime Information' or 'Dashboard'.
2. You can customize the display to show various parameters such as RPM, speed, coolant temperature, fuel trim, and more.
3. This feature is useful for diagnosing performance issues or simply monitoring your vehicle's health.



Image 5.1: The Torque app interface displaying vehicle fault diagnosis results and emissions readiness status.

Display Vehicle Real-time Status

- Engine RPM
- Calculated load value
- Coolant temperature
- Fuel system status
- MPH speed
- Short term fuel trim
- Long term fuel trim
- Intake manifold pressure
- Timing advance
- Intake air temperature
- Air flow rate
- Throttle opening
- Fuel pressure
- Oxygen sensor voltages
- Associated short term fuel trim

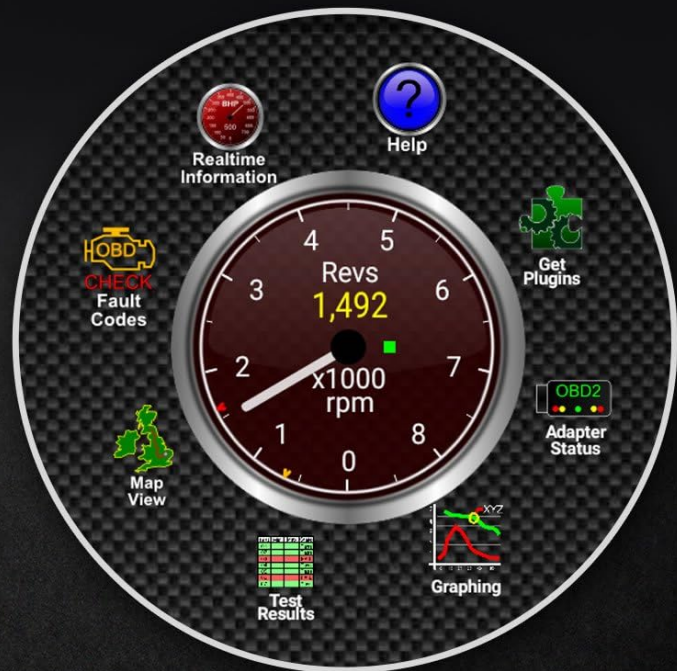


Image 5.2: A visual representation of real-time vehicle data displayed within the Torque application, including engine RPM and other critical parameters.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the V0056 tool in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care to avoid physical damage. Do not drop or expose it to excessive force.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on (no LED light)	Not properly plugged into OBD-II port; Vehicle ignition not on.	Ensure the V0056 is firmly seated in the OBD-II port. Turn vehicle ignition to 'ON' position.
Cannot pair via Bluetooth	Bluetooth not enabled on head unit; Device not discoverable; Interference.	Ensure Bluetooth is on and discoverable on your head unit. Restart both the head unit and the vehicle. Try pairing again.
Torque app not connecting to V0056	Incorrect adapter selected in Torque app; App not installed correctly.	In Torque app settings, verify the correct Bluetooth device is selected. Reinstall the Torque app if necessary.
No data or incorrect readings	Vehicle not fully compatible; Loose connection; Faulty adapter.	Ensure your vehicle supports OBD-II protocols. Check connection. If issues persist, the adapter might be faulty (refer to 'Adapter Error Count' in app).

8. SPECIFICATIONS

Feature	Detail
Model Number	V0056
Output Interface	Bluetooth
Color	Blue
Indicator	LED Indicator
Operating Voltage	12V
Operating Current	45mA
Item Weight	20 grams
Package Dimensions	12.4 x 7.4 x 3 cm

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Eonon

website. If you encounter any issues not covered in this manual or require further assistance, please contact Eonon customer support through their official channels.
You can visit the Eonon store for more accessories and information:www.amazon.co.uk/eonon

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question